EXPLODING THE PHONE: THE UNTOLD STORY OF THE TEENAGERS AND OUTLAWS WHO HACKED MA BELL

Phil Lapsley
HOW DOES THIS HAPPEN?
IT HAPPENS WHEN THINGS LIKE THIS...
… MEET PEOPLE LIKE THIS

► Joe Engressia, ca. 1955

► … and in 2005
... BECAUSE THIS ...

► Cordboard operators, ca. 1955
… BECAME THIS

4A Toll Crossbar, ca. 1955
THE 4As “TALKED” LIKE THIS

2600 Hz

2600 Hz
AND THAT MEANT THIS:

(Video not included due to size constraints.)
AND THIS...
AND THIS...
SOME PARTING THOUGHTS

► Kids have been hacking networks for as long as it has been possible to do so
  ► Not gonna stop any time soon
► Engineering insiders are often the last people to appreciate what is actually possible with the systems they design
  ► Get outside help
► Yesterday’s network miscreants may be tomorrow’s network entrepreneurs
  ► Jobs and Wozniak, to name two
  ► Try to differentiate between “malicious” and “curious”